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File 351:Derwent 1963-2000/Dec W30 2000

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File 344:Chinese Patents ABS Apr 1985-2000/Aug

(c) 2000 European Patent Office

File 347:JAPIO Oct 1976-2000/Apr(UPDATED 000816)

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Set	Items	Description
S1	807451	POINT OR POINTS
S2	135833	MANAGEMENT OR INFORMATION()SYSTEM OR MIS OR COMPUTERI? OR - SOFTWARE
S3	17929	PROMOTION? OR PRIZE? OR AWARD? OR BONUS? OR FREQUENT?() (PURCHAS? OR SHOPPER? OR BUYER? OR USER?)
S4	9659	(ACCUMULAT? OR TRACK? OR TALLY? OR ADD OR ADDS OR ADDING OR TALLIES OR CALCULAT?) (2N)S1
S5	749	S1(3N) (S2 OR MANAG?)
S6	31	S4 AND S5
S7	20	S4(S)S5
S8	225	S1(2W)S2
S9	7	S7(S)S8
S10	6	S9 AND PY<2000
S11	211	S8 AND PY<2000
S12	31	S6 OR S7 OR S9
S13	6	S12 AND DC=T
S14	19	S12 AND IC=G06F
S15	20	S13 OR S14

?t15/5/all

15/5/1 (Item 1 from file: 351)

DIALOG(R)File 351:Derwent

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013090365 \*\*Image available\*\*

WPI Acc No: 2000-262237/200023

XRPX Acc No: N00-195735

Point management system of store, outputs point log information along with accumulation information, based on updation information of headquarters

Patent Assignee: NEC SOFTWARE CHUGOKU LTD (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000067328	A	20000303	JP 98232570	A	1998081	200023 B

Priority Applications (No Type Date): JP 98232570 A 19980819

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000067328	A	11	G07G-001/12	

Abstract (Basic): JP 2000067328 A

NOVELTY - A point log information from memory is output along with accumulation information based on updation information stored in updation memory in headquarters. DETAILED DESCRIPTION - An accumulation point headquarters redirection unit (h22) directs the contents of an accumulation information memory, based on updating information transmitted from each store. The accumulation point information memory stores the accumulation point corresponding to customer information. A point log headquarters redirection unit (h23) outputs generating point from point log information memory, operated according to transmitted updation information. Based on directed information, updating information is directed. Based on input customer

discriminative information, a customer information retrieval unit searches customer information from memory of auto store. An accumulation redirection unit (m22) employed in store reflects the point generated at the store. Similarly, point log information from point log memory of store is redirected, based on customer information. An updation information output unit (m24) of store outputs updation information from memory, based on customer information. A point information output unit (m52) of store outputs point log information based on updation information memory of headquarters.

USE - For stores e.g. supermarkets.

ADVANTAGE - Guarantees uniformity of point and reduces frequency of reference. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of **point management** system. (h22) **Accumulation point** headquarters redirection unit; (h23) Point log headquarters redirection unit; (m22) Accumulation redirection unit; (m24) Updation information output unit; (m52) Point information output unit.

Dwg.1/6

Title Terms: POINT; MANAGEMENT; SYSTEM; STORAGE; OUTPUT; POINT; LOG; INFORMATION; ACCUMULATE; INFORMATION; BASED; INFORMATION

Derwent Class: T05

International Patent Class (Main): G07G-001/12

File Segment: EPI

15/5/2 (Item 2 from file: 351)

DIALOG(R)File 351:Derwent

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012949600 \*\*Image available\*\*

WPI Acc No: 2000-121450/200011

XRPX Acc No: N00-092440

**Management apparatus for handling mileage service and shopping points of credit cards - has reception reply unit outputting sum of utilization points of cooperating company and shopping points of company when inquired**

Patent Assignee: ORIENT CORP KK (ORIE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11353359	A	19991224	JP 98155635	A	19980604	200011 B

Priority Applications (No Type Date): JP 98155635 A 19980604

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11353359	A		5 G06F-017/60	

Abstract (Basic): JP 11353359 A

NOVELTY - Number of utilization points of utilization **points accumulation** type card of cooperating company is input via input unit (11) along with the number of shopping points of the shopping **point accumulation** type card of a company. When the inquiry about the sum of the two points is received, the reception reply unit (12) outputs the reply to customer and then the number of utilization points is erased.

USE - Management apparatus for handling mileage service and shopping points of credit cards.

ADVANTAGE - Since number of utilization points of the cooperating company is added to number of shopping **points** and **managed**, the availability in both sides of the credit card and its mileage service are enhanced. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the management apparatus. (11) Input unit; (12) Reply unit.

Dwg.1/3

Title Terms: MANAGEMENT; APPARATUS; HANDLE; MILE; SERVICE; SHOPPING; POINT;

CREDIT; CARD; RECEPTION; REPLY; UNIT; OUTPUT; SUM; POINT; COOPERATE;  
COMPANY; SHOPPING; POINT; COMPANY  
Derwent Class: **T01**  
International Patent Class (Main): **G06F-017/60**  
File Segment: EPI

**15/5/3 (Item 3 from file: 351)**  
DIALOG(R)File 351:Derwent  
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012753583  
WPI Acc No: 1999-559700/199947  
XRPX Acc No: N99-413300

**One-hand cursor control for palmtop device using track- point - has selection buttons located next to track- point and uses software utility to tune cursor vertical movement to user finger movement**  
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
RD 425108 A 19990910 RD 99425108 A 19990820 199947 B

Priority Applications (No Type Date): RD 99425108 A 19990820  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
RD 425108 A 2 G06F-000/00

Abstract (Basic): RD 425108 A  
NOVELTY - A user manipulates a **track -point** using the finger located at the back of the device and selection can be carried out by a thumb button or buttons located next to the **track -point** or by pressing the **track -point** . The location of the **track -point** is optimized for a typical user and is centered in order to allow either left or right hand operation. A software utility will be provided to tune the vertical movement of the cursor to the movement of the user's finger.

USE - Cursor control for palmtop device using a **track -point** .  
Dwg.0/1  
Title Terms: ONE; HAND; CURSOR; CONTROL; DEVICE; TRACK; POINT; SELECT; BUTTON; LOCATE; TRACK; POINT; SOFTWARE; UTILISE; TUNE; CURSOR; VERTICAL; MOVEMENT; USER; FINGER; MOVEMENT  
Derwent Class: **T01 ; T04 ; V04**  
International Patent Class (Main): **G06F-000/00**  
File Segment: EPI

**15/5/4 (Item 4 from file: 351)**  
DIALOG(R)File 351:Derwent  
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012481685 \*\*Image available\*\*  
WPI Acc No: 1999-287793/199924  
XRPX Acc No: N99-214948  
**Computer implemented method for facilitating collaboration and communication among project participants working collaboratively on project**  
Patent Assignee: NEXPRISE INC (NEXP-N)  
Inventor: BOUCHARD E E; PAGE J D; SRIRAM V R; STANELLE S E  
Number of Countries: 083 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week

Ginger Roberts - Search Report

WO 9918530 A1 19990415 WO 98US20771 A 19981001 199924 B  
 AU 9897830 A 19990427 AU 9897830 A 19981001 199936

Priority Applications (No Type Date): US 9762542 A 19971006; US 9761129 A  
 19971006; US 9761198 A 19971006; US 9761214 A 19971006; US 9761299 A  
 19971006; US 9761552 A 19971006

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9918530 A1 E 33 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK  
 LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
 TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9897830 A G06F-017/60 Based on patent WO 9918530

Abstract (Basic): WO 9918530 A1

NOVELTY - The method provides computer implemented systems and techniques for facilitating collaborative project development and communication (230) among project participants across people, time and space. It is based on computer implemented constructs such as **track points**, whose flexible construct permits any type of trackable item or communication to be stored in it.

DETAILED DESCRIPTION - A **track point** can simultaneously **track** multiple attributes and functions employing attributes as arguments and be annotated with multimedia content.

USE - For providing improved computer implemented techniques for facilitating collaborative project development and communication among the project participants.

ADVANTAGE - Provides improved computer implemented techniques for facilitating collaborative project development and communication among the project participants during a project.

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified diagram illustrating the architecture of a **track point** based collaborative project **management** and communication software.

the authoring tool for project development (230)

pp; 33 DwgNo 2/6

Title Terms: COMPUTER; IMPLEMENT; METHOD; FACILITATE; COMMUNICATE; PROJECT; PARTICIPATING; WORK; PROJECT

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

15/5/5 (Item 5 from file: 351)

DIALOG(R)File 351:Derwent

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011648961 \*\*Image available\*\*

WPI Acc No: 1998-065869/199807

XRPX Acc No: N98-051857

**Point-service system for internet virtual shopping centre - includes unit issuing points depending on ratio defined for shops with management unit storing customer points for later redemption**

Patent Assignee: FUJITSU LTD (FUIT )

Inventor: EGASHIRA Y; FUJIWARA M; IKEDA S; MIYASAKA M; MORITA S; OKA N;

YAMASHITA M

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2315351	A	19980128	GB 9712518	A	19970616	199807 B

Ginger Roberts - Search Report

JP 10078989	A	19980324	JP 97184243	A	19970710	199822
US 5937391	A	19990810	US 97864971	A	19970529	199938
GB 2315351	B	20000503	GB 9712518	A	19970616	200025

Priority Applications (No Type Date): JP 96182556 A 19960711

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2315351	A		71	G06F-017/60	
JP 10078989	A		16	G06F-017/60	
GB 2315351	B			G06F-017/60	
US 5937391	A			B42D-015/00	

Abstract (Basic): GB 2315351 A

The point-service system (20) includes a unit (22) issuing points depending on a customer purchase amount and a points issue ratio defined as a number of issued points corresponding to the purchase amount of the customer. The points issue ratio is set for each shop in the virtual center for specific time period.

A **management** unit stores **points** issued and **accumulated** by each customer. A points redemption unit redeems points according to the defined ratio based on the number of **points** within **points accumulated** by the customer and stored by the **points manager**. It also decreases the customers **accumulated points**.

ADVANTAGE - Provides convenient shopping method without travel to shop. Provides immediate points redemption. Avoids requirement for card. Improves services to customers.

Dwg.4/19

Title Terms: POINT; SERVICE; SYSTEM; VIRTUAL; SHOPPING; CENTRE; UNIT; ISSUE ; POINT; DEPEND; RATIO; DEFINE; SHOP; MANAGEMENT; UNIT; STORAGE; CUSTOMER ; POINT; LATE

Derwent Class: P76; T01 ; T05 ; W01

International Patent Class (Main): B42D-015/00; G06F-017/60

International Patent Class (Additional): G07G-001/12; G07G-001/14

File Segment: EPI; EngPI

15/5/6 (Item 6 from file: 351)

DIALOG(R)File 351:Derwent

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011251550 \*\*Image available\*\*

WPI Acc No: 1997-229453/199721

XRPX Acc No: N97-189678

**Detecting seamed characteristic points to control robot seam sealing means - using distance sensor means with associated electronic software to detect the points**

Patent Assignee: HONDA GIKEN KOGYO KK (HOND ); NIPPON TELEGRAPH & TELEPHONE CORP (NITE ); HONDA MOTOR CO LTD (HOND )

Inventor: ARAKAWA K; KAKIZAKI T; OMYO S

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2306642	A	19970507	GB 9622493	A	19961029	199721 B
JP 9123084	A	19970513	JP 95281629	A	19951030	199729
CA 2189104	A	19970501	CA 2189104	A	19961029	199735
US 5796610	A	19980818	US 96736540	A	19961024	199840
GB 2306642	B	19990623	GB 9622493	A	19961029	199927

Priority Applications (No Type Date): JP 95281629 A 19951030

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2306642	A		46	B23Q-035/128	

Ginger Roberts - Search Report

JP 9123084      A      14 B25J-019/02  
CA 2189104      A      G01B-011/24  
US 5796610      A      G06F-019/00  
GB 2306642      B      B23Q-035/128

Abstract (Basic): GB 2306642 A

A seam (S) in the material is detected using distance measuring sensor (2) which scans an arbitrary cross section of the workpiece including the seam. The measurement data is converted into coordinate data of a series of distance points arranged in a pre-determined order. A statistical value regarding the distance between paired adjacent distance **points** is **calculated** and compared with a threshold value. The threshold value is determined on a statistical basis to judge the presence of a discontinuity such as a seam. Data from all paired points exceeding the threshold is then further processed to obtain a set of seam characteristic points.

USE - For detecting the presence of a seam in a workpiece.

ADVANTAGE - To accurately reliably and stably detect the seams to control a robot arm used to apply sealant into the seam.

Dwg.1/13

Title Terms: DETECT; SEAM; CHARACTERISTIC; POINT; CONTROL; ROBOT; SEAM;

SEAL; DISTANCE; SENSE; ASSOCIATE; ELECTRONIC; SOFTWARE; DETECT; POINT

Derwent Class: P55; P56; P62

International Patent Class (Main): B23Q-035/128; B25J-019/02; G01B-011/24;  
**G06F-019/00**

International Patent Class (Additional): B23K-009/127; B23K-037/00;  
B25J-013/08

File Segment: EngPI

15/5/7      (Item 7 from file: 351)

DIALOG(R) File 351:Derwent

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010680142      \*\*Image available\*\*

WPI Acc No: 1996-177097/199618

XRPX Acc No: N96-148793

**Point of sale processing method for point of sale system - by adding  
point of sale numbers using terminal equipment, based on accounts  
settlement information transmitted by banking host computer to terminal  
equipment through management host computer**

Patent Assignee: FUJITSU LTD (FUIT )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8055167	A	19960227	JP 94190368	A	19940812	199618 B

Priority Applications (No Type Date): JP 94190368 A 19940812

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8055167	A	8	G06F-019/00	

Abstract (Basic): JP 8055167 A

The method involves providing every store in a point of sale system (1) with a bank account terminal equipment (11a-11c) that can be accessed using a card. A management host computer (12) is then linked to each terminal equipment. The management host computer is then linked to a banking host computer (13). When the card is processed by the terminal equipment, a point of sale information (DTR) is transmitted by the terminal equipment to the banking host computer through the management host computer.

A point of sale price is then settled by the banking host computer

based on the point of sale information. An account settlement information (STP) is then transmitted by the banking host computer to the terminal equipment through the management host computer. Then, the terminal equipment **adds** the **point** of sale numbers based on the received account settlement information.

ADVANTAGE - Enables easy **management** of **point** of sale, and simplifies processing in point of sale system by utilising cards of few kinds. Enables processing of point of sale even if bank is closed.

Dwg.1/7

Title Terms: POINT; SALE; PROCESS; METHOD; POINT; SALE; SYSTEM; ADD; POINT; SALE; NUMBER; TERMINAL; EQUIPMENT; BASED; ACCOUNT; SETTLE; INFORMATION; TRANSMIT; BANK; HOST; COMPUTER; TERMINAL; EQUIPMENT; THROUGH; MANAGEMENT; HOST; COMPUTER

Derwent Class: **T01 ; T05**

International Patent Class (Main): **G06F-019/00**

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

**15/5/8 (Item 1 from file: 347)**

DIALOG(R) File 347:JAPIO

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06261332      **\*\*Image available\*\***  
SEQUENCE CONTROL METHOD

PUB. NO.:        11-202912 [JP 11202912 A]  
PUBLISHED:      July 30, 1999 (19990730)  
INVENTOR(s):    NISHIKAWA TAKASHI  
APPLICANT(s):   NISHIKAWA TAKASHI  
APPL. NO.:      10-008500 [JP 988500]  
FILED:          January 20, 1998 (19980120)  
INTL CLASS:     G05B-019/05; **G06F-009/06**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a system (programming-free logic controller: PFLC) for a sequencer which eliminates the need of a ladder diagram and programming and makes it easy even for an amateur to understand.

SOLUTION: This is suitable for sequence control for performing specific operation by moving execution devices. To derive a time chart from an operation chart, an input/output device on the time chart is derived according to the rule corresponding to the type of an input/output device on the operation chart and its state vector is generated. When a relation vector is derived, the relation vector corresponds to one output item at one point of time and the attribute is 'ON or OFF/no variation' logic. In a relation matrix, sets of corresponding time point No's, corresponding output items, attributes, and plus and minus item vectors are arranged in the order of the time point No.'s. When an output state is **calculated**, the time **point** is **managed** to perform calculation as to only 'the present' and response:  $a=m.x$ , output:  $y=(a, z)$ , and ( $z$ : attribute) 'ON or OFF/no variation' logic are derived. Therefore, the execution time of a computer can be shortened and multipurpose usages are possible.

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**15/5/9 (Item 2 from file: 347)**

DIALOG(R) File 347:JAPIO

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06202595      \*\*Image available\*\*

PRODUCT SALE REGISTRATION DATA PROCESSING METHOD, ITS PROCESSOR AND  
RECORDING MEDIUM

PUB. NO.:        11-144152 [JP 11144152 A]  
PUBLISHED:      May 28, 1999 (19990528)  
INVENTOR(s):    UCHIYAMA MAKOTO  
APPLICANT(s):   TOSHIBA TEC CORP  
APPL. NO.:      09-306793 [JP 97306793]  
FILED:          November 10, 1997 (19971110)  
INTL CLASS:     G07G-001/12; G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To manage the sale amount, gross profit amount, etc., of a product by each single article gross profit.

SOLUTION: Product information in different sales and gross profits according to product code that is set in common among the same products, a sales price which is optionally set in each product unit and groove profit calculation data together with sales points is acquired based on the sales registration processing of a product (S2). The product information in different sales and gross profits is managed without overlapping and product information by different sales and groove profits which is newly acquired is stored together with the sales points in a groove profit management file (S3 and S4). On the other hand, the sales point of product information by different sales and gross profits about which the same product information by different sales and gross profits is already stored in the gross profit management file is **accumulated** to sales **points** which are stored for every same product information by different sales and gross profits (S7). Thereby because the sales **points** are **managed** in the unit of the same product information by different sales and gross profit, a single article gross profit is accurately calculated and the sales amount, gross profit amount, etc., of a product can be managed for each single article gross profit.

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15/5/10        (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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06083814      \*\*Image available\*\*

POINT REGISTRATION SYSTEM

PUB. NO.:        11-025328 [JP 11025328 A]  
PUBLISHED:      January 29, 1999 (19990129)  
INVENTOR(s):    OKUBO MASAHIRO  
APPLICANT(s):   TOPPAN FORMS CO LTD  
APPL. NO.:      09-189262 [JP 97189262]  
FILED:          June 30, 1997 (19970630)  
INTL CLASS:     G07F-007/08; G06F-017/60 ; G06K-017/00

ABSTRACT

PROBLEM TO BE SOLVED: To confirm a registration point by selecting a reference processing of the registration and an addition processing of a sales point number.

SOLUTION: A point registration system is provided with a membership code of a client, a host computer 3 for registering sales point corresponding to sales performance of the client, and a terminal computer 2 for transferring data to the host computer 3. The membership code is inputted to the



terminal computer 2 and at the same time a peculiar discrimination **management** data and sales **point** number are displayed by the specified sheet issued at the time of selling, while these data are transferred to the host computer 3; and when the transferred discrimination management data is not registered, the host computer 3 registers this, **adds** the sales **point** number to register point that is already registered by the membership code, changes and updates it.

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15/5/11 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05971868 \*\*Image available\*\*  
**POINT MANAGEMENT SYSTEM**

PUB. NO.: 10-254968 [JP 10254968 A]  
PUBLISHED: September 25, 1998 (19980925)  
INVENTOR(s): IIDA SHOICHI  
APPLICANT(s): NET BIRETSUJI KK [000000] (A Japanese Company or Corporation)  
, JP (Japan)  
APPL. NO.: 09-079161 [JP 9779161]  
FILED: March 14, 1997 (19970314)  
INTL CLASS: [6] **G06F-017/60** ; A63F-009/22; **G06F-013/00**  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.2  
(MISCELLANEOUS GOODS -- Sports & Recreation); 45.2  
(INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PROBLEM TO BE SOLVED: To occasionally supply the information to the user side in response to the dynamic needs by **adding** a **point** number to a user point data base by an amount equivalent to a relevant point, integrating the added point with the point field of a member data base in real time, and replying the added point to the user side to update the point.

SOLUTION: At the user side, a specific building, advertisement, etc., are clicked via a personal computer terminal 2 and a log management system 5 of a selector server 3 is accessed. The access log data sent from the communication software 1 of the user side are recorded, and an access user, the click part, etc., are specified. Then the point number of the click part is added to a point data base by an amount equivalent to a relevant **point** in a **point management** system 6. Then the added point is replied to the user side, and the point is updated at the terminal 2.

15/5/12 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05888780 \*\*Image available\*\*  
**POINT MANAGEMENT DEVICE**

PUB. NO.: 10-171880 [JP 10171880 A]  
PUBLISHED: June 26, 1998 (19980626)  
INVENTOR(s): MATSUMOTO HIROSHI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-330022 [JP 96330022]  
FILED: December 10, 1996 (19961210)

INTL CLASS: [6] G06F-017/60 ; G06F-017/00 ; G07G-001/12  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4  
(PRECISION INSTRUMENTS -- Business Machines)

ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to acquire customers' latent needs also in addition to market inspection by acquiring demand information and sales results through a network, giving prescribed points in accordance with the acquired contents, storing the points, and operating the **accumulated points** of each customer.

SOLUTION: A customer who utilizes Internet accesses the home page of a server 20 through a public line 80 and a provider 90. The home page provides a questionnaire. The user answering the questionnaire requests a management station 10 to issue an IC card in which user's own mail address is stored. At the time of accounting, a POS terminal 40 acquires the user's mail address and its corresponding **accumulated points** are displayed on the terminal 40 through a public digital line 50. Points corresponding to a prescribed discount amount from a purchased amount are added to the **accumulated points**. The **accumulated points** are returned to the server 20 and its corresponding record is updated.

15/5/13 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05850770 \*\*Image available\*\*  
DEVICE AND METHOD FOR CONTROLLING NC MACHINE TOOL

PUB. NO.: 10-133870 [JP 10133870 A]  
PUBLISHED: May 22, 1998 (19980522)  
INVENTOR(s): KAWADE KOUJI  
YAMASHITA HIDEICHIRO  
SUGAMA TETSUO  
APPLICANT(s): CITIZEN WATCH CO LTD [000196] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-285217 [JP 96285217]  
FILED: October 28, 1996 (19961028)  
INTL CLASS: [6] G06F-009/06 ; G05B-019/18  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
22.3 (MACHINERY -- Control & Regulation)  
JAPIO KEYWORD: R004 (PLASMA); R011 (LIQUID CRYSTALS); R063 (MACHINERY -- Numerical Control Machine Tools, NC)

ABSTRACT

PROBLEM TO BE SOLVED: To inexpensively and quickly provide trial or temporary use by allowing a service man to visit a customer and making an additional function, which is not required to be added, usable.

SOLUTION: An instruction is inputted from an input device 32, an additional function selecting screen is selected, additional function software stored in an additional function software storing part 22 is displayed on a display device 31, and an additional function to be used is selected from the additional function selecting screen by using an input device 32 in accordance with the screen. Then, a working program is executed and a machine tool is driven to work parts. A control part 10 multiplies the application time of application frequency of the selected additional function software by application quantity per unit stored in an additional function software unit application quantity storing part 25 in accordance with use right point **calculation software** stored in a storage device 20 to find out the application quantity and subtracts the calculated application quantity stored in a held use right point storing part 26. A

use right point obtained by the calculation is stored in the storing part 26.

15/5/14 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05532437 \*\*Image available\*\*  
COMMODITY SALES REGISTRATION DATA PROCESSING SYSTEM

PUB. NO.: 09-147237 [JP 9147237 A]  
PUBLISHED: June 06, 1997 (19970606)  
INVENTOR(s): YOSHIKAWA MASAHITO  
APPLICANT(s): TEC CORP [000356] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 07-299972 [JP 95299972]  
FILED: November 17, 1995 (19951117)  
INTL CLASS: [6] G07G-001/12; G06F-013/00 ; G06F-017/60  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.2  
(INFORMATION PROCESSING -- Memory Units); 45.4 (INFORMATION  
PROCESSING -- Computer Applications)

ABSTRACT

PROBLEM TO BE SOLVED: To reduce the capacity of a member file by storing and **managing** the total **points** of only the point members at every corresponding store via the member file of every commodity sales registration data processor.

SOLUTION: A host device 20 collects the service points of members which are calculated by the commodity sales registration data processors 10a to 10c respectively. Then the device 20 sums up the collected service points of members for every member to **calculate** the latest **point** of them and then distributes these latest points of members to the processors 10a to 10c of the stores of the corresponding point members respectively. The processors 10a to 10c receive the latest points of members from the device 2 and adds them to the total points of the corresponding members which are stored in the member files 14.

15/5/15 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05099667 \*\*Image available\*\*  
POINT PURCHASE PROCESSING METHOD AND POINT SERVICE SYSTEM

PUB. NO.: 08-055167 [JP 8055167 A]  
PUBLISHED: February 27, 1996 (19960227)  
INVENTOR(s): MATSUKAWA KATSUTO  
FUJIWARA NAMA  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-190368 [JP 94190368]  
FILED: August 12, 1994 (19940812)  
INTL CLASS: [6] G06F-019/00 ; G06F-017/60  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PURPOSE: To facilitate **point** purchase and make **management** easy by settling **point** purchase money on the basis of point purchase information and **adding points** of purchase on the basis of settlement information.

CONSTITUTION: When operation for point purchase is done by using a cash card, point purchase information is sent from terminal devices 11a-11c to a host computer 12 for **management**. The **point** purchase information is sent from the host computer 12 for management to host computers 14a and 14b for bank operation, and the host computers 14a and 14b for bank operation perform settlement for the point purchase money and send settlement information to the host computer 12 for management. The host computer 12 for management sends the settlement information to the terminal devices 11a-11c, which **adds points** of purchase on the basis of the settlement information.

15/5/16 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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05051506 \*\*Image available\*\*

CUSTOMER INFORMATION **MANAGEMENT** METHOD BY **POINT** CARD

PUB. NO.: 08-007006 [JP 8007006 A]  
PUBLISHED: January 12, 1996 (19960112)  
INVENTOR(s): ARAI KOICHI  
APPLICANT(s): GENERAL BUSINESS MACH KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-140327 [JP 94140327]  
FILED: June 22, 1994 (19940622)  
INTL CLASS: [6] **G06F-017/60** ; G06K-017/00; G07G-001/12  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

ABSTRACT

PURPOSE: To manage customer information through the use of a point card and to give various data for promoting the sale of products.  
CONSTITUTION: A point card processor 1 which reads magnetic data when the point card X is inserted, accumulates the number of points corresponding to an amount when the amount is inputted by a keyboard 11, updates magnetic data and prints the number of the **accumulated points** or a mark, and a floppy disk unit 2 for storing processed data in a floppy disk are provided. Stored information of the floppy disk are shifted to a hard disk 5 in a computer 3, and a list for promoting sale is generated with customer information which are previously registered.

15/5/17 (Item 10 from file: 347)

DIALOG(R)File 347:JAPIO

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04918166 \*\*Image available\*\*

POS SYSTEM

PUB. NO.: 07-210766 [JP 7210766 A]  
PUBLISHED: August 11, 1995 (19950811)  
INVENTOR(s): WATANABE MASAKAZU  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-004511 [JP 944511]  
FILED: January 20, 1994 (19940120)  
INTL CLASS: [6] G07G-001/12; G07G-001/12; **G06F-017/60** ; G07G-001/06  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4

(INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

ABSTRACT

PURPOSE: To enable more detailed **point calculation** which accurately reflects how much a customer contributes on **points** by **calculating points** by multiplying basic points corresponding to the amount of money of a transaction by two kinds of specific **point calculation** rate.

CONSTITUTION: A **management** device 10 reads **point calculation** rates R1 corresponding to customer information out of a money mount rate table and a frequency rate table, selects the larger value as a purchase result rate, and sends it to a terminal device 20 together with the rate R1 corresponding to the customer information read out of an attribute rate table. The terminal device 20 reads **point calculation** rates R2 of all application conditions corresponding to the current transaction out of a general table once the amount of money of the transaction is determined. Then the basic points PO (= transaction amount/unit amount of **point calculation** ) are found and then multiplied by the **point calculation** rates R1 obtained by the inquiry and the **point calculation** rate R2 to **calculate** the **points** of the current transaction.

15/5/18 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04487662 \*\*Image available\*\*  
POS DEVICE WITH **POINT MANAGING** FUNCTION

PUB. NO.: 06-131562 [JP 6131562 A]  
PUBLISHED: May 13, 1994 (19940513)  
INVENTOR(s): MORIMOTO TETSUYUKI  
APPLICANT(s): NITSUKO CORP [352301] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 04-308330 [JP 92308330]  
FILED: October 22, 1992 (19921022)  
INTL CLASS: [5] G07G-001/12; B41J-029/20; **G06F-015/21**  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4  
(INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1785, Vol. 18, No. 429, Pg. 78,  
August 10, 1994 (19940810)

ABSTRACT

PURPOSE: To accelerate customer's purchasing desires by printing out the current number of **accumulated points** , gift names to be exchanged, their term of validity gift names having higher points, and number of lacking points for the higher gifts on a slip in each customer's purchase.

CONSTITUTION: A magnetic card on which a customer's name, an ID number, the **accumulated** number of **points** corresponding to an amount purchased, an accumulation starting date, etc., are previously recorded is previously transferred to each customer requiring point service. On the other hand, reference points for gift exchange, gift names to be exchanged, amount/point conversion factors, and the validity of points are previously initialized in a storage part 3-9. At the time of accounting, the number of **points** is **calculated** from the total amount purchased and accumulated on that of the magnetic card to update the contents. When the updated point value reaches the reference of gift exchange, commodity names to be exchanged, commodity names corresponding to higher point values and the lacking number of points for the higher commodities are printed out on a

slip. If the period of point service is approached, the period is also printed out to give an alarm.

15/5/19 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04467005

POINT MANAGING DEVICE

PUB. NO.: 06-110905 [JP 6110905 A]  
PUBLISHED: April 22, 1994 (19940422)  
INVENTOR(s): FURUBAYASHI HIROSHI  
APPLICANT(s): M & C SYST KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 03-229794 [JP 91229794]  
FILED: August 16, 1991 (19910816)  
INTL CLASS: [5] G06F-015/21 ; B42D-015/10; G06F-015/30 ; G06K-017/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.1  
(MISCELLANEOUS GOODS -- Office Supplies); 45.3 (INFORMATION  
PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking); R131  
(INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 1774, Vol. 18, No. 391, Pg. 165, July  
21, 1994 (19940721)

ABSTRACT

PURPOSE: To reduce a cost by allowing a multifunction telephone terminal equipment to have the center function of a **point management**, and to use a device even at a place where a private circuit can not provided by connecting the device with a computer by using a public circuit.

CONSTITUTION: A magnetic card offered by a customer is inserted into an information reader/writer. The information reader/writer reads an identification number and a cumulative point from the magnetic card, and transmits them to the processor part of the multifunction telephone terminal equipment. Next, while the magnetic card is inserted into the information reader/writer, a purchase amount this time is inputted by using a key part. The processor part multiplies the purchase amount this time by a prescribed constant, for example, 0.01, **calculates** a **point** this time, **adds** the **point** this time to the read cumulative **point**, and **calculates** the new cumulative point. The new cumulative point is written in the magnetic card by using the information reader/writer, and displayed at a display part.

15/5/20 (Item 13 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03815079 \*\*Image available\*\*  
THREE-DIMENSIONAL AREA INDICATION SYSTEM

PUB. NO.: 04-180179 [JP 4180179 A]  
PUBLISHED: June 26, 1992 (19920626)  
INVENTOR(s): MUNESHIKA MIE  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-307038 [JP 90307038]  
FILED: November 15, 1990 (19901115)  
INTL CLASS: [5] G06F-015/62 ; G06F-015/62

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JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1437, Vol. 16, No. 500, Pg. 68,  
October 15, 1992 (19921015)

ABSTRACT

PURPOSE: To exactly indicate a three-dimensional area, and to improve an operating efficiency by providing a coordinate system setting part, cursor control part, and volume element calculating part.

CONSTITUTION: A coordinate system setting part 1 sets a coordinate system or the size of the grid by the indication of an input indicating device 5, and transmits grid point data to a grid **point managing** part 33 in an area indicating part 3. Then, a three-dimensional graphic is prepared, and the three-dimensional area is indicated to it. A user operates a dial operation on the device 5 by referring to a sectional plane on a display screen 4, the coordinate value of the point of an area indication position is indicated, an input indicating device control part 31 decides the coordinate value, and a cursor control part 32 displays the cursor based on this. A volume element calculating part 34 **calculates** each grid **point** data by referring to the managing part 33, and searches the three-dimensional area being an object to be indicated. A display control part 2 draws the volume element on the screen 4 by a stereoscopic drawing method.

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?t4/ti/all

4/TI/1 (Item 1 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Remote communication link establishing system for online goods marketing and shopping has controller, which permits access of data from central facility through remote facility and provides transaction data

4/TI/2 (Item 2 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

IC card for allowing secure access to computer game, comprises input/output interface for connection with game terminal in shop

4/TI/3 (Item 3 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Prize winning condition management device of pachinko machine annuls output of prize winning ball detecting switch when output of hit display detector is not obtained

4/TI/4 (Item 4 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Application of promotional messages to electronic price labels in point-of-sale transaction systems

4/TI/5 (Item 5 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Electronic personal shopping system e.g. for retail facility

4/TI/6 (Item 6 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Digitally encoded message distribution management system for use in public, private network

4/TI/7 (Item 7 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Management of flow of clients at ordering points

4/TI/8 (Item 8 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Hall information processing system for game arcade - has display unit that displays amount gathered from each game machine, group index data for break even point and comparative result of two data

4/TI/9 (Item 9 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.



Automatic on-line customer information collection system using internet - analyses stored customer data for every fixed time which is then transmitted to specific destination point

4/TI/10 (Item 10 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Road code based software game for driving skill tuition - has combination of films, graphics and simulation generating pictures, images and illustrations in changing screen environment with player awarded points for compliance with rules

4/TI/11 (Item 11 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Game system installed along skiing course - has central controller which compares display combination obtained from display device with preset combinations to determine appropriate prize that should be discharged by payment machine

4/TI/12 (Item 12 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Game management method for pachinko machine - involves performing animation display operation based on progress of game situation

4/TI/13 (Item 13 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Targetted customer promotion system for retail store - has processor that determines from set subset of products which may be used as incentives based upon customer preference for products in set

4/TI/14 (Item 14 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Targetted computer marketing on shopping customers for processing and developing customer information data base - uses memory to store database of previously entered customer identification codes and transactions data, and circuitry for generating signal representative of customer shopping history

4/TI/15 (Item 15 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Terminal equipment for automation of sampling game such as football, horse race - in which real time transfer of management information such as verifications, slip and prize amount is carried out between various terminals of central processor

4/TI/16 (Item 16 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Cheque or valuable document verification system for transaction processing and analysis system - has processor that creates centralised

database of number of the store's customers' data relating to product codes of products previously purchased by customers

4/TI/17 (Item 17 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Sales profit returning method for game machine - involves subtracting profit of predetermined rate from sales result by adjusting number of losing points through adjustment unit

4/TI/18 (Item 18 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Cattle management method using computer system - involves calculating projected rate of gain and projected feed intake for each animal from characteristic data and measured weight using computer system

4/TI/19 (Item 19 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Video distribution network for product advertising - tracks product movement at receiving sites and displays new playlists according to user input with communication link between distribution centre and receiving sites allowing transmission of data

4/TI/20 (Item 20 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Customer information management method for promotional selling using point cards - uses storage medium that carry customer information and number of points which are read and prepared for storing while allowing displaying or printing data of this storage medium NoAbstract

4/TI/21 (Item 21 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Differential customers retail establishment sale promotion system - has one or more transaction terminals coupled to transaction processor that stores customer data base and processes customer information request

4/TI/22 (Item 22 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Database marketing system using customer shopping profile with automatic check reading - automatically uses customer ID code to provide check verification and various targetted marketing techniques based on customer's prior purchasing history with store

4/TI/23 (Item 23 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Hierarchical index structure for multi-dimensional database - has tree structure composed of root node, branch node and tree nodes and transversal path defined by node sequences

4/TI/24 (Item 24 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Bar codes incorporated in logos for promotional purposes - uses automatic bar-code readers to scan completed coupon cards in promotional campaigns that have bar code product label

4/TI/25 (Item 25 from file: 351)

DIALOG(R)File 351:(c) 2000 Derwent Info Ltd. All rts. reserv.

Store or supermarket promotion scheme - allocating semi-random prizes at pay point by ascertaining if set requirements have been met

4/TI/26 (Item 1 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

CUSTOMER'S TREAND MANAGEMENT SYSTEM

4/TI/27 (Item 2 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

SYSTEM AND METHOD FOR UPDATING SHOPPING TRANSACTION HISTORY USING ELECTRONIC INDIVIDUAL DIGITAL SHOPPING SUPPORTING DEVICE

4/TI/28 (Item 3 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

PACHINKO MACHINE

4/TI/29 (Item 4 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

SERVICE JOB PROCESSING SYSTEM AND THE SYSTEM STORAGE MEDIUM FOR PROVIDING

4/TI/30 (Item 5 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

LEISURE UTILIZATION SERVICE METHOD THROUGH INFORMATION COMMUNICATION NETWORK AND ITS SYSTEM

4/TI/31 (Item 6 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

GAME DEVICE

4/TI/32 (Item 7 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

GAME MACHINE

4/TI/33 (Item 8 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

GAME SYSTEM

4/TI/34 (Item 9 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

HOLE INFORMATION PROCESSING SYSTEM

4/TI/35 (Item 10 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

CUSTOMER **MANAGEMENT** SYSTEM

4/TI/36 (Item 11 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

RECEIPT PRINTING METHOD WITH STAMP ISSUING FUNCTION

4/TI/37 (Item 12 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

METHOD FOR EXCHANGING **PRIZE** AND DEVICE THEREFOR

4/TI/38 (Item 13 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

CUSTOMER INFORMATION **MANAGEMENT** DEVICE

4/TI/39 (Item 14 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

GAME MACHINE

4/TI/40 (Item 15 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

DEVICE FOR MANAGING FINANCIAL AFFAIRS AND SALARY

4/TI/41 (Item 16 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

**MANAGEMENT** EQUIPMENT DEVICE OF GAME HALL

4/TI/42 (Item 17 from file: 347)

DIALOG(R)File 347:(c) 2000 JPO & JAPIO. All rts. reserv.

MANAGING FACILITY DEVICE FOR GAME SHOP

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?t4/4/7

4/4/7 (Item 7 from file: 351)

DIALOG(R)File 351:Derwent

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IM- \*Image available\*

AA- 1999-280292/199924|

XR- <XRPX> N99-210192|

TI- **Management** of flow of clients at ordering **points** |

PA- FORCE 3 CONCEPTS (FORC-N); GESTION DEV ETUD & INTEGRATION SA (GEST-N)|

NC- 001|

NP- 001|

PN- FR 2769730 A1 19990416 FR 9713083 A 19971014 199924 B|

AN- <LOCAL> FR 9713083 A 19971014|

AN- <PR> FR 9713083 A 19971014|

FD- FR 2769730 A1 G06F-017/60|

LA- FR 2769730(16)|

AB- <PN> FR 2769730 A1|

AB- <NV> NOVELTY - The client flow **management** makes use of smart cards with the identification of the outlet which distributed the card stored in memory together with a **bonus points** total. The client uses the card at each ordering **point** (30), and the data is sent to a central processing station (18) which generates commission records. The user can check their accumulated **points** in a special reader (23).|

AB- <BASIC> USE - Collection of consumer data from distributed ordering **points**

ADVANTAGE - Allows payment of commission to outlet housing order **point** and also automatically allocates sales inducement **points** to user.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system

Ordering **point** (30)

Central processing station (18)

Balance reader (23)

pp; 16 DwgNo 3/3|

DE- <TITLE TERMS> **MANAGEMENT** ; FLOW; CLIENT; ORDER; **POINT** |

DC- T01; T04|

IC- <MAIN> G06F-017/60|

IC- <ADDITIONAL> G06K-019/073|

MC- <EPI> T01-H01B3A; T01-J05A; T04-K02|

FS- EPI||

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?t4/4/14,20,35

4/4/14 (Item 14 from file: 351)

DIALOG(R) File 351:Derwent

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IM- \*Image available\*

AA- 1997-372348/199734|

DX- <RELATED> 1993-133968; 1993-272389; 1994-126691; 1994-217345;  
1995-075345; 1995-089514; 1995-245971; 1995-320125; 1997-086935;  
1997-235479; 1997-319376; 1997-424447; 1997-502622; 1997-558442|

XR- <XRPX> N97-309258|

TI- Targetted computer marketing on shopping customers for processing and  
developing customer information data base - uses memory to store  
database of previously entered customer identification codes and  
transactions data, and circuitry for generating signal representative  
of customer shopping history|

PA- CREDIT VERIFICATION CORP (CRED-N)|

AU- <INVENTORS> DEATON D W; GABRIEL R G|

NC- 001|

NP- 001|

PN- US 5649114 A 19970715 US 89345475 A 19890501 199734 B

<AN> US 92826255 A 19920124

<AN> US 92886383 A 19920519

<AN> US 9363413 A 19930517

<AN> US 9396921 A 19930723

<AN> US 93139983 A 19931020

<AN> US 95457299 A 19950601|

AN- <LOCAL> US 89345475 A 19890501; US 92826255 A 19920124; US 92886383 A  
19920519; US 9363413 A 19930517; US 9396921 A 19930723; US 93139983 A  
19931020; US 95457299 A 19950601|

AN- <PR> US 93139983 A 19931020; US 89345475 A 19890501; US 92826255 A  
19920124; US 92886383 A 19920519; US 9363413 A 19930517; US 9396921 A  
19930723; US 95457299 A 19950601|

FD- US 5649114 A G06F-017/60 Cont of application US 89345475

CIP of application US 92826255

Cont of application US 92886383

CIP of application US 9363413

CIP of application US 9396921

Cont of application US 93139983

CIP of patent US 5621812|

LA- US 5649114(144)|

AB- <BASIC> US 5649114 A

The method comprises entering into memory selected indicia from an  
identification presented by customers as unique customer identification  
codes in response to presentation of customers' identification at sale  
**point** , entering data relating to customers' shopping transactions,  
including data relating to different products purchased by specific  
customer, creating a database of customers' shopping transactions and  
identification codes in response to the identification and data,  
including information regarding products **frequently purchased** by  
the customer. A value formula applied to the database of previously  
purchased products and shopping transaction data to determine a value  
for use as **promotions** , is variable and based on individual customers'  
prior purchase volumes.

A first signal is generated by processor in response to entry of  
identification codes of customers whose prior transactions at the store  
meet predetermined shopping history criteria, and in response to the  
signal, effect a first sales **promotion** to customers who meet the  
shopping history criteria. The sales **promotion** is related to at least  
one of the more frequently previously purchased products purchased by  
the specific customer and the value of the sales **promotion** determined

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by the value formula. The customer's identification code comprises customer's checking account number, credit card number, debit card, and merchant issued identification.

ADVANTAGE - Can be used to identify new and infrequent customers, develop customer profiles and perform targeted marketing. Facilitates transactions by reducing customer identification requirement, adopting risk **management** to approach credit verification, and improves store's marketing and other customer relations programs.

Dwg.19/47|

DE- <TITLE TERMS> TARGET; COMPUTER; MARKET; SHOPPING; CUSTOMER; PROCESS;  
DEVELOP; CUSTOMER; INFORMATION; DATA; BASE; MEMORY; STORAGE; DATABASE;  
ENTER; CUSTOMER; IDENTIFY; CODE; TRANSACTION; DATA; CIRCUIT; GENERATE;  
SIGNAL; REPRESENT; CUSTOMER; SHOPPING; HISTORY|

DC- T01; T05|

IC- <MAIN> G06F-017/60|

MC- <EPI> T01-J05A; T01-S01B; T05-L01|

FS- EPI||

4/4/20 (Item 20 from file: 351)

DIALOG(R)File 351:Derwent

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IM- \*Image available\*

AA- 1996-101694/199611|

XR- <XRPX> N96-085124|

TI- Customer information **management** method for **promotional** selling  
using **point** cards - uses storage medium that carry customer  
information and number of **points** which are read and prepared for  
storing while allowing displaying or printing data of this storage  
medium NoAbstract|

PA- GENERAL BUSINESS MACHINE KK (GEBU-N)|

NC- 001|

NP- 001|

PN- JP 8007006 A 19960112 JP 94140327 A 19940622 199611 B|

AN- <LOCAL> JP 94140327 A 19940622|

AN- <PR> JP 94140327 A 19940622|

FD- JP 8007006 A G06F-017/60|

LA- JP 8007006(7)|

DE- <TITLE TERMS> CUSTOMER; INFORMATION; **MANAGEMENT** ; METHOD; PROMOTE;  
SELL; **POINT** ; CARD; STORAGE; MEDIUM; CARRY; CUSTOMER; INFORMATION;  
NUMBER; **POINT** ; READ; PREPARATION; STORAGE; ALLOW; DISPLAY; PRINT;  
DATA; STORAGE; MEDIUM; NOABSTRACT|

DC- T01; T04|

IC- <MAIN> G06F-017/60|

IC- <ADDITIONAL> G06K-017/00; G07G-001/12|

MC- <EPI> T01-J05A; T04-F01; T04-G; T04-H01|

FS- EPI||

4/4/35 (Item 10 from file: 347)

FN- DIALOG(R)File 347:JAPIO|

CZ- (c) 2000 JPO & JAPIO. All rts. reserv.|

TI- CUSTOMER **MANAGEMENT** SYSTEM

PN- 09-173592 -JP 9173592 A-

PD- July 08, 1997 (19970708)

AU- FUJIMAKI YASUHIRO; NOSAKA TOSHIYUKI

PA- DAIKOKU DENKI CO LTD [465016] (A Japanese Company or Corporation), JP  
(Japan)

AN- 07-338496 -JP 95338496-

AD- December 26, 1995 (19951226)

IC- -6- A63F-007/02; A63F-007/02; G07F-007/12; G07F-007/08

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CL- 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 29.4 (PRECISION INSTRUMENTS -- Business Machines)

AB- PROBLEM TO BE SOLVED: To secure regular customers by providing them with a benefit in the game.

SOLUTION: A pachinko ball lending unit 2 supplies balls to a pachinko machine 1 through a ball supplying section 17, when so instructed by a coin or card inserted. Number of pachinko balls is counted, when they are introduced from the pachinko machine 1 through a ball guiding section 20. When coins are used, the ball lending unit 2 counts **points** determined by the sales, and instructs the pachinko machine 1 to increase lucky numbers for the **prize** balls in accordance with the **points**, thereby increasing chances of gaining **prize** balls. When the card is used, the ball lending unit counts **points** determined by the sales, and instructs the pachinko machine 1 to reduce the commission in accordance with the **points**, thereby lightening the burden imposed on the customer.

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